

# Supporting Information

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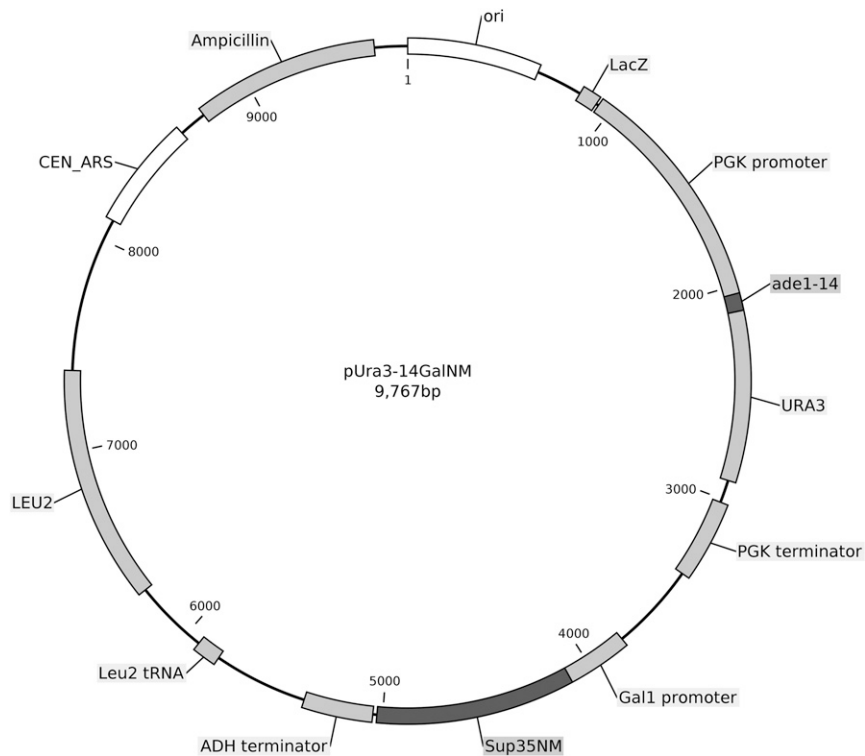


Fig. S1. Structure of p1520 carrying the *ura3-14* gene and *SUP35NM* controlled by the *GAL1* promoter.

**Table S1. Strains, plasmids, and primers**

Strains, plasmids, and oligonucleotides	Description	Source
<b>Strains</b>		
BY4741/4812/4445	<i>MAT<math>\alpha</math> his3 ura3 leu2 met15</i> [PIN+][psi-]	(69)
BY4742/4813/4729	<i>MAT<math>\alpha</math> his3 ura3 leu2 lys2</i> [PIN+] [psi-]	(69)
4457	<i>MAT<math>\alpha</math> trp1 ura2 leu2 kar1-1</i> [PIN+]	
PB7	<i>MAT<math>\alpha</math> siw14::kanMX his3 ura3 leu2 met15</i> [PIN+][PSI+ss] p1520	This work
PB14	<i>MAT<math>\alpha</math> siw14::kanMX his3 ura3 leu2 met15</i> [PIN+][PSI+ss] p1520	This work
5255	PB7 cured of [PSI+] and [PIN+], and [PIN+] then restored from strain 4457	This work
5335	4813 <i>kar1<math>\Delta</math>15</i>	This work
5337	5335 <i>siw14::kanMX</i>	This work
5355	5255 with a new [PSI+ss15]	This work
5402	<i>MAT<math>\alpha</math> ade1-14 kar1<math>\Delta</math>15 his3 ura3 leu2 lys2</i> p1520	This work
5261	PB14 cured of [PSI+] and [PIN+], and [PIN+] then restored from strain 4457	This work
5408	BY4741 <i>arg82::kanMX</i>	
5477	BY4742 <i>arg82::kanMX</i>	
5478	5477 p1520 p1574 [PIN+] [psi-]	This work
5506	<i>MAT<math>\alpha</math> ade1-14 kar1<math>\Delta</math>15 his3 ura3 leu2 met15</i> p1520 pRS313	This work
4866	BY4741 <i>gal7::kanMX</i>	
5498, 5505	<i>MAT<math>\alpha</math> ade1-14 kar1<math>\Delta</math>15 siw14::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	This work
5503, 5492	<i>MAT<math>\alpha</math> ipk1::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	
5502, 5495	<i>MAT<math>\alpha</math> kcs1::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	
5504, 5496	<i>MAT<math>\alpha</math> vip1::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	
5494	<i>MAT<math>\alpha</math> ddp1::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	
5538	<i>MAT<math>\alpha</math> ipk1::kanMX kcs1::kanMX his3 ura3 leu2 met15 kar1<math>\Delta</math>15</i> p1520 pRS313 $\rho^{\circ}$	This work
5536	<i>MAT<math>\alpha</math> ipk1::kanMX kcs1::kanMX his3 ura3 leu2 met15 kar1<math>\Delta</math>15</i> p1520 pRS313 $\rho^{\circ}$	This work
5526	<i>MAT<math>\alpha</math> plc1::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	
5525	<i>MAT<math>\alpha</math> kcs1::kanMX ddp1::kanMX his3 ura3 leu2 met15 kar1<math>\Delta</math>15</i> p1520 pRS313 $\rho^{\circ}$	This work
5440	<i>MAT<math>\alpha</math> vipk1::kanMX kcs1::kanMX his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	This work
5522	<i>MAT<math>\alpha</math> vip1::kanMX siw14::kanMX ade1-14 his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	This work
5497	<i>MAT<math>\alpha</math> kcs1::kanMX siw14::kanMX ade1-14 his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	This work
5457	<i>MAT<math>\alpha</math> ddp1::kanMX siw14::kanMX ade1-14 his3 ura3 leu2 met15</i> p1520 pRS313 $\rho^{\circ}$	This work
5197-2D	<i>MAT<math>\alpha</math> vip1::kanMX ipk1::kanMX leu2 ura3 his3 lys2</i>	This work
5197-5B	<i>MAT<math>\alpha</math> vip1::kanMX ipk1::kanMX leu2 ura3 his3 lys2</i>	This work
5197-7B	<i>MAT<math>\alpha</math> vip1::kanMX ipk1::kanMX leu2 ura3 his3 lys2 met15</i>	This work
74D-694	<i>MAT<math>\alpha</math> ade1-14 trp1-289 his3-200 ura3-52 leu2<sup>+</sup></i> [PIN+][psi-]	(24)
BY241	<i>MAT<math>\alpha</math> leu2 trp1 ura3 P<sub>DAL5</sub>:ADE2 P<sub>DAL5</sub>:CAN1 kar1</i>	(11)
5560	<i>MAT<math>\alpha</math> leu2 trp1 ura3 P<sub>DAL5</sub>:ADE2 P<sub>DAL5</sub>:CAN1 kar1 arg82::kanMX lys2</i>	This work
779-6A	<i>MAT<math>\alpha</math> ade2-1 SUQ5 ura3 leu2 trp1 his3</i> [psi-] or [PSI+]	(39)
AG571	<i>MAT<math>\alpha</math> ade2-1 SUQ5 ura3 leu2 trp1 his3</i> [pin-] [psi-] $\rho^{\circ}$ , isogenic with 779-6A	(29)
AG537	<i>MAT<math>\alpha</math> ade2-1 SUQ5 ura3 leu2 trp1 his3 hsp104<sup>T160M</sup> loxP-URA3-loxP</i> [pin-] [psi-] $\rho^{\circ}$ , isogenic with 779-6A	(29)
5565	AG571 <i>lys2 arg82<math>\Delta</math> pLYS2-ARG82</i> [PSI+1] <i>HSP104</i>	This work
5571	AG537 <i>lys2 arg82<math>\Delta</math> pLYS2-ARG82</i> [PSI+1] <i>hsp104<sup>T160M</sup></i>	This work
5201-7B	<i>MAT<math>\alpha</math> met15 lys2 leu2 his3 ura3 arg82::kanMX hsp26::kanMX</i>	This work
<b>Plasmids</b>		
p1520	<i>LEU2 CEN ura3-14 GAL1 promoter-SUP35NM</i>	This work
p1574	pRS317-ARG82 promoter-ARG82 <i>LYS2 CEN</i>	This work
pH773	<i>CEN HIS3 GAL1</i> promoter	H.K.E.
pH321	pRS313 ( <i>CEN HIS3</i> ) with the HindIII and NheI sites removed from <i>HIS3</i>	H.K.E.
p1569	pH321 with <i>SIW14</i> + 500 bp upstream of the ORF	This work
pSC4	<i>CEN LEU2 Renilla luciferase UAA firefly luciferase</i>	(46)
pRS315- <i>SIW14</i>	<i>SIW14</i> with 500 bp of upstream sequence inserted as BamHI-Sall fragment in pRS315	This work
p <i>SIW14</i> p1569	<i>SIW14</i> with 500 bp of upstream sequence as BamHI-Sall fragment from pRS315- <i>SIW14</i> inserted in pH321	This work
p1534	pH773 expressing the <i>SIW14</i> orf from the <i>GAL1</i> promoter	This work
pSL1066	<i>CEN URA3 CUP1</i> promoter-SUP35NM-GFP	(74)
<b>Oligonucleotides</b>		
U1	GATGTCCACGAGGTCTCT	(42)
KanB	CTGCAGCGAGGAGCCGTAAT	(42)
978	CCCAAGCTTGAGACTAGTTACGTAAAGGTAATCAC	This work
979	CCCGGATCCAGCGCATTGAGTCTTGC	This work
1092	CCTGAGGGCCCGCTGGGACTAATTGG	This work
1093	CCCGAGCTCGGTAACTTCACCTCTCAATATATCTAGAATTTC	This work

## Other Supporting Information Files

[Dataset S1 \(TXT\)](#)